

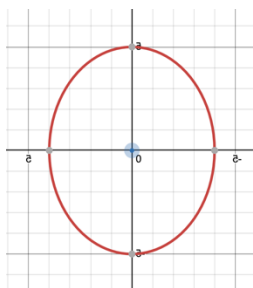
Ellipses

1. $\frac{x^2}{16} + \frac{y^2}{25} = 1$

Center (0,0)

vertices (+4,0), (-4,0)

foci (+3,0), (-3,0)

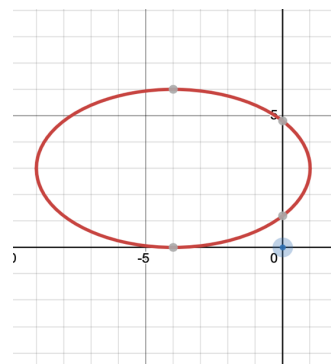


2. $\frac{(x+4)^2}{25} + \frac{(y-3)^2}{9} = 1$

center (-4,3)

vertices (1,3), (-9,3)

foci (0,3), (-8,3)

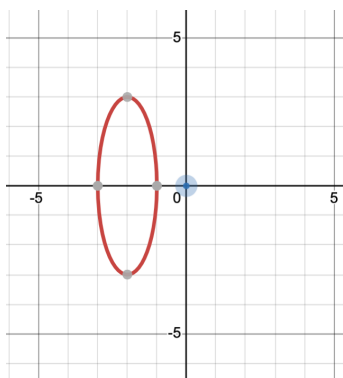


3. $\frac{(x+2)^2}{1} + \frac{y^2}{9} = 1$

center (-2,0)

vertices (-1,0), (-3,0)

foci: none

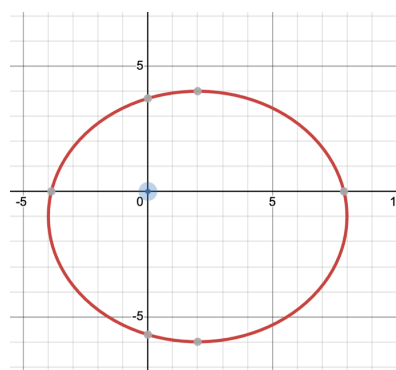


4. $\frac{(x-2)^2}{36} + \frac{(y+1)^2}{25} = 1$

center (2,-1)

vertices (-4,-1), (8,-1)

foci (2-sqrt(11), -1), (2+sqrt(11), -1)



5. $\frac{x^2}{49} + \frac{(y-3)^2}{16} = 1$

center (0,3)

vertices (0,7),(0,-1)

foci (0,3+sqrt(33)),(0,3-sqrt(33))

